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REMARKS

Please reconsider the application in view of the above amendments and the following remarks. Applicant thanks the Examiner for courtesies extended during the in-person Examiner Interview conducted on October 19, 2005.

Disposition of Claims

Claims 20-43 are currently pending in this application. Claims 27 and 40 have been canceled by this reply. Claims 20, 32, and 43 are independent. The remaining claims depend, directly or indirectly, from claims 20 and 32.

Claim Amendments

Independent claims 20, 32, and 43 recite a method and apparatus for processing and displaying video data. Per the in-person Examiner Interview conducted on October 19, 2005, the independent claims have been amended by this supplemental response to incorporate the Examiner's suggestions for clarification of the claims. Specifically, the Examiner suggested changing the phrase "interchanging the designation of the first buffer sub-area and the second buffer sub-area" to "interchanging roles of the first buffer sub-area and the second buffer sub-area." In addition, the Examiner indicated that the exact language of the specification on page 18, lines 11-12 should be recited in the claims. That is, the fact that the graphics data is copied into the working buffer *just before* the working buffer is to become the display buffer should be recited in the claims. Accordingly, the independent claims have been amended to recite this precise timing between the copying of graphics data into the working buffer and the interchanging of the roles of the working buffer and the display buffer. Lastly, during the Examiner Interview, the Examiner indicated that it would be preferable to amend the claims to

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indicate that a "complete subtitle page" is displayed after all the data is copied into the working

buffer. Thus, the claims have been amended to recite "a complete subtitle page."

Support for the newly added claims may be found, for example, on pages 17 and 18 of

the Instant Specification. No new matter has been added by any of the aforementioned claim

amendments.

Rejections under 35 U.S.C. § 102

Claims 1-7 and 11-19 stand rejected under 35 U.S.C. § 102(b) as being unpatentable over

EP0752695 ("O'Sullivan"). Claims 1-7 and 11-19 have been canceled by this reply. Thus, this

rejection is now moot. To the extent that this rejection may apply to the newly added claims, the

rejection is respectfully traversed.

O'Sullivan discloses a method for simultaneously displaying graphics and video data on

a display. Specifically, O'Sullivan discloses a graphics adapter chip that stores graphics data in

a graphics memory, while a video source stores video data in a video memory. Further, in

O'Sullivan, source selection logic is used to select when each of the graphics memory and the

video memory output blocks of data to a digital-to-analog converter (DAC) for display on the

screen (*see* O'Sullivan, Figure 1 and page 7, lines 47-48).

Turning to the rejection of the claims, for anticipation under 35 U.S.C. § 102, the

reference must teach every aspect of the claimed invention either explicitly or impliedly. Any

feature not directly taught must be inherently present. The Application respectfully asserts that

O'Sullivan fails to anticipate the claimed invention for at least the following reasons:

(i)   O'Sullivan fails to disclose or suggest a graphics buffer region comprising *three*

         distinct buffer sub-areas for the purpose of storing and processing video data. In

         particular, O'Sullivan fails to disclose or suggest a display buffer and a working

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buffer both of which are configured to store subtitle data and graphics data, and several icon buffer sub-areas for storing graphics data. Rather, O'Sullivan only discloses a video memory and a graphic memory (*see* O'Sullivan, Figure 2). Moreover, the graphic memory of O'Sullivan is not sub-divided into icon buffer sub-areas, a display buffer sub-area and a working buffer sub-area for storing different types of video data as recited in the claims;

(ii)   O'Sullivan fails to disclose or suggest copying graphics data from icon buffer sub-areas into a working buffer to obtain a complete subtitle page. Rather, O'Sullivan simply discloses storing graphics data from the graphics adapter chip into graphics memory until the graphics data is output and displayed on the screen (*see* O'Sullivan, page 5, lines 28-29). Thus, graphics data is not copied from one buffer sub-area to another buffer sub-area *prior to displaying* as required by independent claims 20 and 32. Further, because O'Sullivan fails to disclose or suggest copying graphics data from an icon buffer sub-area into the working buffer, it follows that O'Sullivan cannot possible disclose or suggest copying the graphics data into the working buffer *just before* the working buffer becomes the display buffer (*i.e.*, just before the roles of the working buffer and the display buffer are interchanged); and

(iii)   O'Sullivan fails to disclose or suggest interchanging the roles of the display buffer and the working buffer. In fact, O'Sullivan does not even contemplate such interchanging of roles amongst two buffer areas for the purpose of displaying a complete subtitle page. Rather, O'Sullivan only discloses buffers each having a *single* specified designation (*i.e.*, the graphics memory stores graphics data and video memory stores other video data) and the DAC stores data from both the graphics memory and the video memory) (*see* O'Sullivan, page 7, lines 47-48). Moreover,

because O'Sullivan is silent with respect to a buffer including multiple buffer sub-areas as recited in the claim, interchanging roles of buffer sub-areas in O'Sullivan would not even be possible.

In view of the above, it is clear that O'Sullivan fails to disclose each and every element of amended independent claims 20 and 32. Thus, amended independent claims 20 and 32 are patentable over O'Sullivan. Dependent claims 21-26, 28-31, 33-39, and 41-42 are patentable for at least the same reasons. Further, independent claim 43 includes similar allowable subject matter and is therefore patentable over O'Sullivan for at least the same reasons as claim 32. Accordingly, allowance of the claims is respectfully requested.

Rejection(s) under 35 U.S.C. § 103

Claims 8-10 stand rejected under 35 U.S.C. 103(a) as unpatentable over O'Sullivan in view of U.S. Patent No. 5,835,156 ("Blonstein"). Claims 8-10 have been canceled by this reply. Thus, this rejection is now moot. To the extent that this rejection may still apply to the amended claims, the rejection is respectfully traversed.

As described above, O'Sullivan fails to disclose or suggest the limitations of independent claims 20 and 32. Further, Blonstein fails to disclose or suggest all of the limitations of these claims or supply that which O'Sullivan lacks. Blonstein is only relied upon as teaching a cursor for the user to select or interact with element displays on the screen. (*See* Office mailed May 20, 2005, p. 10).

In view of the above, O'Sullivan and Blonstein, whether considered separately or in combination, fail to render newly added independent claims 20 and 32 obvious. Dependent claims 21-31 and 33-42 are patentable over O'Sullivan and Blonstein for at least the same reasons. Further, independent claim 43 includes similar allowable subject matter and is

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therefore patentable over O'Sullivan and Blonstein for at least the same reasons as claim 32.

Accordingly, allowance of the claims is respectfully requested.
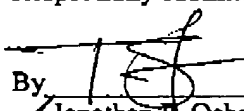
Conclusion

Applicant believes this reply is fully responsive to all outstanding issues and places this

application in condition for allowance. If this belief is incorrect, or other issues arise, the

Examiner is encouraged to contact the undersigned or his associates at the telephone number

listed below. Please apply any charges not covered, or any credits, to Deposit Account 50-0591

(Reference Number 11345.027001).

Dated: October 27, 2005   Respectfully submitted,

By _____ #45,079

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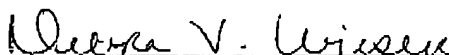Attorney for Applicant

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